

19970629.ba ba-por01.528 ba-por01.529
 >1528
 >From owner-boatanchors@sco.theporch.com Sat Jun 28 00:04 CDT 1997
 >Received: from sco.theporch.com (sco.theporch.com [207.234.31.38])
 > by uro.theporch.com (8.8.6/A-UX-3.1.1) with ESMTP id AAA11876
 > for <SHIMSHON@URO.THEPORCH.COM>; Sat, 28 Jun 1997 00:04:53 -0500 (CDT)
 >Received: from sco.theporch.com (localhost [127.0.0.1])
 > by sco.theporch.com (8.8.6/SCO-5.0.2) with SMTP id FAA08146;
 > Sat, 28 Jun 1997 05:02:36 GMT
 >Message-Id: <199706280502.FAA08146@sco.theporch.com>
 >Date: Sat, 28 Jun 1997 00:02:36 CDT
 >Sender: owner-boatanchors@theporch.com
 >From: boatanchors@theporch.com
 >To: Old Tube Radios <boatanchors@sco.theporch.com>
 >Subject: BOATANCHORS digest 1528
 >Mime-Version: 1.0
 >Content-Type: multipart/mixed; boundary="--
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 >X-Listprocessor-Version: 8.1 -- ListProcessor(tm) by CREN
 >Status: 0

BOATANCHORS Digest 1528

Topics covered in this issue include:

- 1) FS or T: 4CX1000B
by Mike Maloney <ac5p@ionet.net>
- 2) serious ka-CHUNK!
by Scott Robinson <spr@earthlink.net>
- 3) For adoption: Hallicrafter Defiant.
by "Henshall, Steve" <Steve_Henshall@heald.edu>
- 4) Iambic Keyers ??
by "Garey Barrell, K40AH" <75025.73@CompuServe.COM>
- 5) St. Juliens Creek R-390A
by "Tom Bridgers" <Tarheel6@msn.com>
- 6) Eico 723
by DCrespy@aol.com
- 7) FW: 6L6
by Emil Switzer <eswitzer@mindspring.com>
- 8) Fw: Baptizing 6L6's
by "Larry Bearse" <lbearse@mail1.nai.net>
- 9) Air Wound Baluns - Suggestions needed
by W7FG <w7fgboat@w7fg.com>
- 10) WTB: Heathkit SB-620 manual
by W7FG <w7fgboat@w7fg.com>
- 11) WTB: Manual/Schematic for National NCX-5
by Karl Heimbach <heimbach@concentric.net>
- 12) Re: Air Wound Baluns - Suggestions needed

by Stanley Wilson <microres@crl.com>
13) FS: RG-11 (75 ohm) coax
by WJoew@aol.com
14) Re: Air Wound Baluns - Suggestions needed
by Bob Roehrig <broehrig@admin.aurora.edu>
15) Re: Old radio restoration, epilogue apology
by vancleef@netcom.com (Henry van Cleef)

Date: Fri, 27 Jun 1997 19:50:13 -0500 (CDT)
From: Mike Maloney <ac5p@ionet.net>
To: boatanchors@sco.theporch.com
Subject: FS or T: 4CX1000B
Message-ID: <199706280050.TAA04542@mail.ionet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anyone needing or wanting one of these please reply direct.
Will discuss terms.
73/Mike ac5p Bartlesville,OK

Date: Fri, 27 Jun 1997 18:18:52 -0700
From: Scott Robinson <spr@earthlink.net>
To: boatanchors@theporch.com
Subject: serious ka-CHUNK!
Message-ID: <33B4667C.A01024C7@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks,

Couldn't resist forwarding this:

Apologies for the somewhat off-topic post- OK, the 35 KW FM
> transmitter I'm responsible for uses an Eimac 4CX20,000D in the PA,
> and you still need to "peak the grid, dip the plate, dive right in-
> don't hesitate!" even today. Just keep the plate current under 4 amps
> at 10.5 KV. Sorry, no compactrons. :-)
> I

There's another good ka-CHUNK!

--

Scott Robinson

spr@earthlink.net

Junque is GOOD for you!

Date: Fri, 27 Jun 1997 19:02:18 -0700
From: "Henshall, Steve" <Steve_Henshall@heald.edu>
To: "'boatanchors@sco.theporch.com'" <boatanchors@sco.theporch.com>
Subject: For adoption: Hallicrafter Defiant.
Message-ID: <c=US%a=_%p=Heald%l=SJTSERVER-970628020218Z-907@sjtserver.heald.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

OK Gang,
I don't really have the room or time to fix up the Defiant so!!

Anyone willing to adopt it for shipping costs or, who can come by and pick up is welcome to it.

Working conditon unknown case ok, no major dings noticed some minor rust knobs faded and dial plastic needs replacing and dial scales faded.

As Allan said;
"They arent't maining any more of them."

So if we can find a good home then let's do it.

Steve. K06NZ

Date: 27 Jun 97 22:23:28 EDT
From: "Garey Barrell, K40AH" <75025.73@CompuServe.COM>
To: BOATANCHORS <BOATANCHORS@sco.theporch.com>
Subject: Iambic Keyers ??
Message-ID: <970628022328_75025.73_FHD23-1@CompuServe.COM>

CW BA'ites

I followed the "standard" procedure of first learning to use a straight key, then a bug, and finally an "electronic keyer". Had a brief fling with a couple of keyboards, but finally decided if I was going to do that, I might as well be on Teletype. That's another story....

The keyer was from a QST article, (of course,) and as I recall used a thyatron oscillator and twin triode "Flip-flop." There was also a VR tube, since the thyatron was very sensitive to voltage changes. VERY sensitive to voltage changes..... My bedroom hamshack was upstairs over the kitchen. My Mom, like most other moms of those times used an electric skillet... Throw in an old house with undersized wiring, and that keyer was a real trial, especially at supper fixing time.

Anyway, with a dual paddle attached, (two J-38's bolted back-to-back with an L bracket between them, said bracket then screwed to a base to hold the keys in a vertical position,) closing the left lever sent dots, the right lever sent dashes, and if you squeezed, you still got dashes. With a little practice, you were able to save paddle movements on many characters. Press the left lever, as soon as the "dot" was being sent tap the right lever while holding the left lever closed, inserting the dash, and hold the left lever closed until the last dot started then, release. The character "R" was sent. For the "L" you just held the left lever a little longer, etc.

The Hallicraters HA-1 "T0 Keyer" works the same way, by the way. All was well until these @%(&^@#(\$%*^ IAMBIC keyers came along. If you learn the way described above, you get some very interesting cw out of an iambic keyer..... And if you then throw in dot and dash "memories" it's enough to send you back to using a J-38..... A co-op student who worked for me gave me an argument once about how the iambic keyer required fewer keystrokes than "MY" keyer, and set out to prove it, counting the number of lever movements to send each character using each keyer style. Hmmm.... Turned out it took almost exactly the same number of strokes with either method.

End result I use a T0 Keyer with some BA's, and finally found a sand keyer that allows you to turn off all the dot / dash memories and makes it usable for me. Preferred paddles are the Kent and Bencher. Little nicer feel than the "dual J-38's."

73, Garey - K40AH
75025.73@compuserve.com
Atlanta

Date: Sat, 28 Jun 97 02:21:12 UT
From: "Tom Bridgers" <Tarheel6@msn.com>

To: boatanchors@theporch.com
Subject: St. Juliens Creek R-390A
Message-ID: <UPMAIL09.199706280227480570@msn.com>

Fellow Anchorites...

I just couldn't pass up the opportunity to buy a R-390A from Fair at \$125. I know it's advertised "as is", but hey I've learned that you can never tell about these things.

Well it arrived yesterday, and here is what I found in the box:

- o As advertised, it had no tag, no meters, no RF deck cover or top and bottom covers, and was missing several tubes.
- o And yes indeed, it certainly did have a biiiig yellow paint line right down the middle of the front panel! And two black painted areas: one where the tag normally would be, and other on the rear panel.
- o Immediately noticed a big gash in the right top of the panel which continued into one of the side panels. But my trusty file soon smoothes this out, leaving it not so bad looking.
- o Whoever removed the tag, wrung off 2 of the screws. Nice going ...
- o It had the Navy mod to the rear panel, which provides Cannon type connectors for power, line audio and local audio. No big deal ... just removed the mod and made up a power cord, wired it up, and covered the power terminals with a cover plate I had purchased from Fair (\$3).
- o Checked the fuses. Hmmm .. the 1/8th amp fuse is kaputzky. Replaced it.
- o Removed the audio deck. Looks good underneath; someone had added the 200 ohm resistor to the B+. Looked over at the Power Transformer and sure enough it had the diode mod. Zzsso ... so far so good.
- o Mhz knob rotated but the Mhz gears didn't move. Could have been serious but wasn't. Turns out the knob clamp was broken. Replaced it, and then the gears turned as they should.
- o Khz rotates, but only with extraordinary force. Gears are grimey beyond belief. Those Navy guys had greased this sucker up to a fair the well. And when that apparently didn't work so hot for them, of course they then sprayed in some black powdery stuff (the name of which I can't remember) ... which didn't help a bit. And seems to make it gooey and glue like. I gave it a treatment of WD-40, including the digital counter, and loosened the panel bushing. Ahhhh ... now it turns much easier.
- o Up top side, it is pretty clear that this radio had been outdoors for years! Some washers and screws are rusted. The first oscillator module frequency trimmers are all rusted (well that may be overstating it a bit.. but not by much.) Did I mention that the first oscillator's rotating switch labelling (with the band numbers) that are usually visible through the view hole was mostly gone?
- o Two 6BA6's are missing in the IF deck; I put in new ones.
- o At this point, having been able to see the manufacturer's name for the the first oscillator, the power module, and the audio module, I'm pretty sure this radio is a Capehart. (Which doesn't mean that much, I know, but I think that is what it is).

o The RF deck is fairly gritty with sand and what-not, but another treatment of WD-40 seems to get things sliding the way they should. At least temporarily until I can remove them for a thorough cleaning.

o All of this back and forth took about 1 1/2 hours, and now it was time to plug it in. I do so ... Annnnnnd. Nothing. Danada. Zero. Well ... maybe a bit of low static.

o I start lightly thumping and feeling the tubes. All are looking good. But wait ... what's the story on this cold-to-the-touch 6BA6 in the IF deck? I cut off the set, pull it, give the socket a coupla shots of DeOxit, and put the tube back in.

o Turn set back on. Hmmm ... I start hearing something. Wait ... is it station? Eureka! There's WWV at 10 MHz. I check the other bands and find that all work more or less, except the 3 and 4 MHz bands.

o All the bandpass filters are good too!

o I tune in to the BBC at 5.7 MHz, and it is loud and clear! So are other stations near this end of the band.

o I alligator clip a meter to the line wiring. But its a no-go. Doesn't work. That circuit must be taking a vacation.

o Now to listen to some sideband stations. I turn the BFO knob to the 'on' position and nothing. Zipsky. And at that point, the dinner bell rang, so I'll have to leave that repair and a few others to another day. Meanwhile ... I just keep listening to those broadcast stations.

Did I have fun or what?! Yeah ... Is it a bit beat up and dog eared? Well ... yes. All things considered does it work pretty well? For sure. Am I happy with my St. Juliens Creek R-390A? You betcha! It's all that Fair said it was, and more.

73's,
-tom

Date: Fri, 27 Jun 1997 22:38:54 -0400 (EDT)
From: DCrespy@aol.com
To: boatanchors@sco.theporch.com
Subject: Eico 723
Message-ID: <970627223853_-1025607539@emout05.mail.aol.com>

Looking for Eico 723.. all there .. no dents.. anyone have a lead?

Harry KG5LO
Saline MI

Date: Fri, 27 Jun 1997 22:25:37 -0400
From: Emil Switzer <eswitzer@mindspring.com>
To: boatanchors@sco.theporch.com
Subject: FW: 6l6
Message-ID: <1.5.4.32.19970628022537.0067fd14@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Return-Path: <ejs2118@ELMG.com>
>From: "Switzer, Emil J." <ejs2118@ELMG.com>
>To: "'emil'" <eswitzer@mindspring.com>
>Subject: FW: 6l6
>Date: Fri, 27 Jun 1997 14:34:54 -0400

>
>
>

>>-----

>>From: Blincoe, Homer
>>Sent: Friday, June 27, 1997 3:08 PM
>>To: Switzer, Emil J.
>>Subject: 6l6

>>

>>When I got my class B license in Nov 1949, I built a very simple
>>"breadboard" 40 meter CW transmitter using a 6J5 crystal (Pierce) osc to
>>drive a 6L6....only I was using the 12 v filament version that I had obtained
>>from a WWII surplus sale for 5 cents a piece.

>> After happily filling up a log book with contacts, I felt that I was
>>being overlooked too often and needed to make an increase in power. I had
>>been supplying the 6L6 output stage with 350 at 120 ma and
>>getting out probably about 25 watts. (a 25 watt bulb load would glow at
>>full brightness when the tuning was right.)

>> Since I had about a 12 6L6s to use, I first tried to double the voltage
>>After some output coupling adjustment, this worked fairly well. The current
>>was about 200ma....but only for a while. The tube was obviously getting
>>far too hot and going gassy.

>> Since my rig was very flexible in construction, using #12 solid wire to
>>support parts over a scrap piece of plank, I didn't have to do much to
>>arrange the tube to operate inverted, with most of its length in a large
>>ceramic coffee cup full of water. The cup sat on a piece of thick scrap
>>glass...there wasn't much change in tuning. This worked quite well for
>>about a year...all I had to do was keep an eye on the water and add more
>>from time to time. If I got to transmitting too long, the water would come
>>to a boil and I would have to stop for a while.

>> I could get a 100 watt bulb to almost come to full brightness, and
>>local stations that had heard me reported a considerably stronger signal.

>>
>>
>

Date: Fri, 27 Jun 1997 22:41:41 -0400
From: "Larry Bearse" <lbearse@mail1.nai.net>
To: "Boatanchors list" <boatanchors@theporch.com>
Subject: Fw: Baptizing 6L6's
Message-ID: <199706280248.WAA09633@mail1.nai.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

Herb, W5AN wrote:

> First rig (1946) was an
> oiled-cooled 6L6, submerged in a Chase & Sandborn coffee can, motor oil;
> built in an orange crate ñ one xtal on 3742..600 volts on the plate. A
> zillion QSOs from Syracuse. Great when you're 17.

We (my crazy teenaged radio buddies and I) used to take old tv sweep tubes and compactrons and the like and immerse them in water, break off the tip on the top or base and the vacuum would suck in the water to fill the tubes. Then we put a label on the things that stated "Water Cooled Tube" and bring them to the local ham club auction for sale. The guys would actually buy them up!!!!!!! Hey PROVERO do you remember?

Larry, WA1LGQ

Date: Fri, 27 Jun 1997 22:27:11 -0500
From: W7FG <w7fgboat@w7fg.com>
To: boatanchors@theporch.com
Subject: Air Wound Baluns - Suggestions needed
Message-ID: <199706280327.WAA21660@newton.cimnet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I use a Double Extended Zepp on 40 meters, and use it also on 80. Feedline is homebrew 600 ohm ladder line. I've been using a Johnson match box for several years now, with no problems and matter of fact has worked very well.

We've continued to use the balanced feeders as problems with RFI have almost disappeared, and signal reports have remained good.

Gary

Anyone out there have a SB-620 manual they'd like to get rid of??

Gary

Greeting all,

I just got my latest toy and am in need of a manual and schematic.

Does anyone have one that they no longer need and will sell?

I have the NCX-5 Mark II.

Thanks,

Karl - W5QJ

Date: Fri, 27 Jun 1997 20:38:16 -0700 (PDT)
From: Stanley Wilson <microres@crl.com>
To: W7FG <w7fgboat@w7fg.com>
Cc: Old Tube Radios <boatanchors@sco.theporch.com>
Subject: Re: Air Wound Baluns - Suggestions needed
Message-ID: <Pine.SUN.3.91.970627202901.26242B-100000@crl6.crl.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I recent made up an air balun and it appears to work FB. I used the two coil per coil. I used the white plastic plumbing tubing about 2" in dia and about 5" long. Two required. I used #20 copper plastic coated wire, of two different colors. Wind two coils on each form close wound. Inductance came out to be about 12 uH. about 50 turns (not critical) each.

You now have two forms with two coils wound on each. I connected them up per a drawing in ARRL handbook. I used red and white wire.

for 50 ohm in I connect whites on the end of the form to ground and red to coax connector, at the other end of the forms I connected one red from one form to white of the other form. I then connect the red and white wires left to the 300 ohm antenna. Works on both 30 and 40 meters.

I tried to determine if it worked with resistors and MFJ and Autek antenna testers. ????????? I could not make an sense of the readings. I have a open air commercial balun from the 50's and I can not make sense of the readings on it either.

But it works. I use it with a folded dipole made from open line on 30 meters. Working both DX and USA with QRP and the antenna is only about 20 ft above the ground.

I do not think anything is critical. I wanted at least 10 uH inductance per coil thinking that is what I would need for 80 meters.

de stan ak0b

Date: Sat, 28 Jun 1997 00:23:47 -0400 (EDT)
From: WJoeW@aol.com
To: boatanchors@theporch.com
Subject: FS: RG-11 (75 ohm) coax
Message-ID: <970628002347_-925404968@emout16.mail.aol.com>

I just acquired a large spool (a few hundred feet) of Belden RG-11, which is similar to RG-8, except that it is 75 ohms impedance.

If anybody wants any of this, as long as it holds out, I will sell it for 15 cents a foot, plus shipping. I see it is listed at 40 cents in the current issue of QST.

Joe
W5WBR

Date: Fri, 27 Jun 1997 23:30:54 -0500 (CDT)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: W7FG <w7fgboat@w7fg.com>
Cc: Old Tube Radios <boatanchors@sco.theporch.com>
Subject: Re: Air Wound Baluns - Suggestions needed
Message-ID: <Pine.ULT.3.96.970627232834.10412A-1000000@admin.aurora.edu>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 27 Jun 1997, W7FG wrote:

> I use a Double Extended Zepp on 40 meters, and use it also on 80. Feedline
> is homebrew 600 ohm ladder line.
>
> Problem is that the Match box takes up valuable space, therefore would like
> to get it out of the shack. Does anyone on BA list have any experience
> or suggestions on using/building Airwound 4:1 or 9:1 Baluns??

A balun is only good if the ins & outs are perfectly resistive. Your antenna cannot look purely resistive on both bands, or even across a single band. The Matchbox, besides providing an impedance match is also tuning out reactance. Better stick with it.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

Date: Fri, 27 Jun 1997 22:46:46 -0600 (MDT)
From: vancleef@netcom.com (Henry van Cleef)
To: lrware@pipeline.com
Cc: boatanchors@sco.theporch.com
Subject: Re: Old radio restoration, epilogue apology
Message-ID: <199706280446.WAA06624@netcom12.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

As Lawrence R. Ware discourses

>

> At 23:50 06/26/1997 -0600, Hank Van Cleef wrote:

>

> >As Lawrence R. Ware discourses

> >>

> >> A few days ago, I asked for comments concerning old Mil radios,

> >> and how refurbishing affected the "collector" value of them.

> >

> >Since my name has been used in here, I'm going to snippity snippity

> >and make a few comments.

> >>

> >> Many people commented:

> >>

> >> A Friend wrote:

> >> >I follow Hank Van Cleef's philosophy - all my radios are blue

> >> >collar, and get three wire cords for safety.

> >> >I do not put 3-wire setups on "all" of my electronics.

> <snip>

>

> Gentlemen, I'd like to apologize to the entire list for re quoting

> private mail (without attribution) but including Mr. Van Cleef's name.

> As the person who sent this to a public list it is my error, and I

> am responsible for its content, regardless of source.

>

I've quoted some of this to place my remarks in context. I got a private apology from Larry for using my name, which surprised me, and have replied to him that I don't think this is necessary.

I think there's a matter of "netiquette" here that may be confusing, and that Larry is taking the polite and gentlemanly path in raising the question. But I think that avoiding the use of people's names as the either the authors or the proponents of certain ideas isn't needed, and may actually be a bad idea. I have talked in terms of "blue collar" electronics, 3-wire line cords on pre-1956 item refurbishments, fuses, and fairly wholesale modifications to some of the electronics that I use. I think I've done that fairly often on

the list---which is a public forum, at least among the several hundred list subscribers. There is a risk that folks could view me as someone who will re-engineer and modify the living daylights out of anything I get my hands on, which isn't the case, and my response to Larry's original posting was to let this be known. My recollection is that Larry solicited comments on getting an old radio working again, and got a variety of responses. I didn't comment in the original thread, largely because I'm not intimately familiar with the radio in question, and am not entirely sure what approach I'd take in getting it back among the "alive and well" old electronics.

I think that there are a number of folks whose names on postings in this group do set "flags" in people's minds. Stan Griffiths knows Tek scopes backwards, forwards, up, down, and sideways, and I pay plenty of attention to what he has to say about getting a sick scope working again. Barry Ornitz talks chemistry at levels far beyond my day-to-day knowledge of that topic. Dave Stinson is a true believer in keeping WWII avionics pristine, if you've got a pristine item, and has influenced me in my handling of some WWII stuff. Bobbi Barmore actually keeps a Channel 13 TeeVee station on the air, and probably has forgotten more about getting 1930's projects built, running, and so forth than I ever knew about them. The list goes on, and while I don't say much about it, it would be false modesty for me to pretend that I don't have a place on the list of posters here who other people follow to some degree.

One name that most of us know---and that the newcomer to old electronics will soon learn---is that of Frederick Emmons Terman, the grand old man of Stanford, and I don't think there is one of us who will fail to take one of Terman's texts and interpret it, and when talking about having done that, will cite it as "Terman says." He's been dead for about 15 years, and isn't around to defend himself if we didn't actually do things the way Terman intended. We are all, in a sense, Fred Terman's "students." I don't think it is fair to Fred Terman for me to say that "Terman says," then go out on a limb and talk about what I did with Terman's teachings, and try to be anonymous about it. That's not modesty, false or otherwise. It's a cop-out, a failure to take responsibility for one's own ideas, whether they be good, bad, or indifferent.

I've had a great deal of pleasure, fun, and enjoyment from taking things like a junk RME-45 radio and returning it to life as a good working radio, taking a pair of sad-looking Meissner EX Signal Shifters, both of which had been butchered and then had parts pirated from them, and making one "brand new---suddenly, it's 1948" EX Signal Shifter out of that junk pile; of taking a sick and suffering beat-up HP200CD signal generator and getting it bent back into shape (literally) and restored to full functionality. I'm not going to

pretend that I searched out original components for those projects---or even (particularly in the case of the RME-45) used the original circuits and specifications. These are three candidates for the landfill that didn't get there, but have had another fifty years of life breathed back into them. This list is a place where I can talk about that. My methodologies are not the only act in town, and may not be everyone's cup of tea. I've got some boxes that work very well, and that I'm not ashamed to present, both as working electronics, and as products of my own handiwork, and if someone wants to cite me as the user---if not the author---of the term "blue collar electronics" in talking about these projects, that says to me that my talking about them here was worth the effort put into writing about them. Someone else might have taken very different approaches. I think the ultimate question is answered if any of these methodologies succeed in bringing iron and junk back from the land of the dead, and if the end results can be plugged into the wall outlet, turned on, and used, without fear that they are going to catch fire, shock the living daylights out of the unwary, or wipe out TV reception in a five square mile area.

I like to think of the Boatanchors participants as real people, with real names and real identities. Certainly if we all gathered in a room together, we wouldn't be anonymous. And if some of the folks who come here have lots of questions and not much experience with old electronics, and others can say "this is what I've done," I think the list has served its purpose.

--

=====
Hank van Cleef
=====

End of BOATANCHORS Digest 1528

>1529

>From owner-boatanchors@sco.theporch.com Sat Jun 28 18:22 CDT 1997
>Received: from sco.theporch.com (sco.theporch.com [207.234.31.38])
> by uro.theporch.com (8.8.6/A-UX-3.1.1) with ESMTP id SAA14979
> for <SHIMSHON@URO.THEPORCH.COM>; Sat, 28 Jun 1997 18:22:50 -0500 (CDT)
>Received: from sco.theporch.com (localhost [127.0.0.1])
> by sco.theporch.com (8.8.6/SCO-5.0.2) with SMTP id XAA07355;
> Sat, 28 Jun 1997 23:21:05 GMT
>Message-Id: <199706282321.XAA07355@sco.theporch.com>
>Date: Sat, 28 Jun 1997 18:21:05 CDT
>Sender: owner-boatanchors@theporch.com
>From: boatanchors@theporch.com

>To: Old Tube Radios <boatanchors@sco.theporch.com>
>Subject: BOATANCHORS digest 1529
>Mime-Version: 1.0
>Content-Type: multipart/mixed; boundary="--
__ListProc__NextPart__867540048433770024"
>X-Listprocessor-Version: 8.1 -- ListProcessor(tm) by CREN
>Status: 0

BOATANCHORS Digest 1529

Topics covered in this issue include:

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- 22) Re: Monkey
by "John H. Dilks III" <oldradio@worldnet.att.net>
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- 24) BC-325
by bloper@ix.netcom.com (BEN ROSWELL LOPER)
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by steven@ix.netcom.com (Steve M Fried)
- 26) Antique Malling/Mon-Key
by Mike Sanders <k0az@i1.net>
- 27) NCX-5 help
by bward@scvnet.com (Bill Ward)
- 28) My liquid cooled 6L6, or boy, did I..
by "Herbert M. Rosenthal" <herbrose@lobo.net>

Date: Fri, 27 Jun 1997 22:04:57 -0700 (PDT)
From: Ken Gordon <keng@uidaho.edu>
To: boatanchors@sco.theporch.com
Subject: R-388...
Message-ID: <Pine.BSF.3.95.970627220135.9143A-100000@piobaire.mines.uidaho.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have discovered that an acquaintance of mine has an R-388/URR in his possession. He thought it was all solid state (!!!!!!!) Although I disabused him of THAT idea right away, I must confess that my knowledge of it is rather limited.

Is the R-388 the military version of the 51J4 ? Exactly what is it ? Where would I find more info about it ? What is it worth ? How well does it work ? This one seems to be in excellent shape, is rack mounted, but in a case.

Ken W7EKB

Date: Fri, 27 Jun 1997 23:46:51 -0600 (MDT)
From: vancleef@netcom.com (Henry van Cleef)

To: fritsche@MSN.COM
Cc: boatanchors@sco.theporch.com
Subject: Re: Dual fused 2 wire circuits
Message-ID: <199706280546.XAA11521@netcom12.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

As Allan Fritsche discourses

>

> Just a thought gang as it has just come up again.. What the heck is wrong with
> dual fused two wire circuit plugs., i.e as in the Valiants as long you have an
> earth ground return to the chassis.. I would hate to modify my Valiant for
> safety sake for no reason as many others on the list would also, ,just for
> some peace of mine.

>From my perspective, the main question is about equipment that has no
fuses at all. I like the idea of getting some protection in the right
place. The "right place" is the hot AC wire, and "protection" is a
fuse that will blow if the unit draws more than it should from primary
power. Unfortunately, selecting a suitable fuse requires some
tolerance for startup surges, and fuses are not available down to the
exact milliamperes. Also, fuses won't open with current at rated value
or 110% of that value very quickly---even 200% takes a while to melt
the wire. But you can get a lot more protection than the original "no
fuse at all" that relies on the 15 or 20 amp service fuse for
"protection"---while feeding thru #24 wire inside.

If the original design had a fuse in it, that's a different situation.
In that case, the approach should be to leave it in place and not
remove it or attempt to thwart it.

Replacement power cords are a different subject. Virtually everything
I work with needs a new power cord, and I have a stock of 3-wire and
2-wire polarized cords for the purpose. There is a time and place for
both types. I much prefer the 2-wire polarized for AA5's, where one
side of the chassis is connected to one side of primary power. You
must keep in mind that the NEMA-15 3-wire (hot-neutral-ground) setup
is a mid-fifties change that requires some engineering to adopt to
designs that didn't use it. Tektronix provided it for free, and all
you have to do is follow the Tek bulletins when installing 3-wire
setups on their boxes. Most Tek stuff had it originally, and the
original designs of older items accommodated it readily.

Things are not quite so simple with receivers and transmitters, most
of which were designed to work with either double-ended or
single-ended antenna setups. In the latter case, there is a
connection to a "ground" on the unit and a "ground" terminal on the

back, which is generally a DC connection to the chassis. The general primary-power philosophy nowadays is:

1. Polarize the connection so that "hot" and "neutral" can't be reversed when the unit is connected through its plug.
2. Assure that metal-to-metal connection between the primary power and parts that users can touch are grounded through the third ground wire.
3. All components intended to open the primary power circuit (switches, fuses, etc.) are placed in the "hot" primary power lead. The "neutral" side always remains connected, so that any "open" in the primary power will leave all of the circuitry behind it connected to "neutral."

The RF side has its own issues. An RF filter across the primary power is desirable. You can buy a filter box that is UL certified for use with 3-wire setups, and these work very well. A .01 capacitor between the low side of the power switch and neutral is adequate for most needs. A lot of old electronics had larger caps (I've seen as much as .25 mfd. paper caps from each primary power wire to the chassis) which would "float" the chassis at 60 volts with plenty of "oomph"---a real shock hazard in my book. Those paper caps are pretty good firecrackers if one develops a lot of DC leakage. Redo this brand of "filter."

On the antenna side, you do not need DC ground for a single-wire Marconi-type setup. You need AC ground. If your setup has a separate earth ground in the antenna circuit, isolate the power "safety" ground from the antenna ground with a .01 cap, which will give low AC impedance at any RF frequency above 455 Khz.

The NEMA 15 setup is a mixed blessing. The philosophy is that the ground blade in the power cord assures DC ground for all metal parts before AC contact is made by the power cord (the ground blade is longer). However, it also assures that the box is connected to ground at low impedance, and if any other box has "hot" metal parts, you've got a shock hazard. Before NEMA 15, you needed to develop a safety ground philosophy for your shack or test bench, and it needed to be consistent. You still need to have a ground philosophy, but with so many items having the NEMA 15 setup nowadays, you need to work with it, and adapt older items to it.

>

> I personally would never leave a piece of boatanchor equipment plugged
> in when not in use.. Its just to darn risky with their age anyway and some
> like the Hammerlunds and Hallis draw current all the time, Clocks, dampers,
> etc.

If the power switch works, and opens everything, I think this is a

moot point. My Tek 533A (which draws nearly half a kilowatt in operation) stays plugged in. If that big bat handle power switch won't open primary power reliably, then why haven't I replaced it?

I don't think the Hammarlund clocks were famous for catching fire, and am not too concerned about leaving one connected. Other items such as "instant-on" features, crystal ovens, and so forth, have to be considered on a case-by-case basis.

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=====
Hank van Cleef
=====

Date: Fri, 27 Jun 1997 23:02:20 -0700 (PDT)
From: Ken Gordon <keng@uidaho.edu>
To: boatanchors@sco.theporch.com
Cc: glowbugs@www.atl.org
Subject: 1L6 substitutes...(long)
Message-ID: <Pine.BSF.3.95.970627220557.9260A-100000@piobaire.mines.uidaho.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I inadvertantly mentioned here the other day that I had substituted another tube for the 1L6 in my R-1004 and the said substitution had made a great difference in the performance of the two receivers I was working on.

This substitution was suggested to me by Bob Rolfness, W7VZX, which he had learned from an article he had found on the internet.

The tube(s) are either the 1AC6/DK92 or the 1AB6/DK96 pentagrid converters. They are available for considerably less money than the 1L6.

The reason I said "inadvertantly" above is that I have not yet finished a thorough test of how the tube operates in a circuit originally designed for the 1L6 and did not really want to get users' of the 1L6 hopes up without reason.

Before I plugged the 1AC6 into the socket, I compared the base diagrams of both tubes. The only important difference was that (essentially) pins 5 and 6 were reversed.

My first inclination was to swap the connections to pins 5 and 6, but upon a suggestion from Bob, I just plugged the 1AC6 in his receiver and let 'er rip. Although the receiver DID work, it oscillated fiercely on any

frequency higher than the bottom 1/3 of any tuning range. I.e., it worked fine on 40 meters but broke into oscillation at 8 MHz. and above.

After talking with Bob, we decided that a) swapping the wiring to pins 5 and 6 was completely reversible, and b) neither of us ever intend to use a 1L6 again. So I swapped the connections on his receiver and aligned it.

Although oscillator alignment on bands 1 and 2 (3 to 6, and 6 to 12 MHz) was fairly easily accomplished, band 3 was not. The oscillator padder cap could not be adjusted so that the upper band edge (24 MHz) could be brought into alignment. The cap was adjusted to minimum capacitance but needed to go lower yet. So I did the best I could with it and left it there.

This simple mod made a MAJOR difference in how the receiver operates! The oscillator no longer pulls off frequency when I key the transmitter, the overall noise level is MUCH lower, and the sensitivity is MUCH greater, although it still drops as the operator tunes higher in frequency. The evening I finished this mod, I worked K7EW on 40. He was running one watt to a dipole and I couldn't even HEAR him on the SB-301 which was connected to the same antenna as the GRC-109.

To do the alignment, I used a simple Beckman signal generator, a Heath frequency counter, and a Heath scope. Until I get the URM-25D set up I cannot give you a true value for receiver sensitivity and/or signal-to-noise ratio.

As soon as I am able to do some more experimentation and testing, I will post the results here. This information should be of interest to Zenith TransOceanic owners also.

1AC6s are fairly easily available in Europe where they were made by the millions and its filament voltage/current requirements are identical to the 1L6's.

After this project, and the 15 watt 12AX7 push-pull class B transmitter project is finished, I intend to dig into the SB-301 to see why it is not up to par.

BTW, anyone have a schematic diagram for a push-pull single tube oscillator transmitter, crystal or otherwise?

Ken W7EKB

Date: Sat, 28 Jun 1997 02:07:30 -0700

From: Glenn Finerman <glennfin@worldnet.att.net>
To: Boatanchors Mail List <boatanchors@sco.theporch.com>
Subject: The BA Barn?
Message-ID: <33B4D452.FAE@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The XYL and I frequently check out a "rural" weekend flea market located about 45 min from my QTH. It's held every weekend at an old run down drive-in movie. Lots of trashy stuff, car tires, rusty bicycles, old melted VCR's, etc.. etc.. The wife and I collect old cameras and we've found a few bargains there. While walking down one of the rows last Sunday, (they took out all the poles with the little metal speakers!) I spotted for the first time, ...yes,.. BOATANCHORS!!!!. A Johnson 122 and Eico 722 VFO's laying in the dirt. "How much for these two things" I said.....The price was right, I grabbed them, He said.. "Oh, you like Ham radios? I got A whole bunch of junk, radios and stuff I got from my uncle back at my house. Lots of magazines too" I was getting the idea his Uncle passed away and left him with his radio estate. Cut to the chase - - The XYL and I are driving to his house tomorrow morning!! He made it clear when he gave me directions on the phone, he knows nothing about the ham equipment he's got, but seems to have quite a bit of it!! Should I get my hopes up? I don't think so. I remember reading Dick Dillman's story about being dissapointed on a trek to find military gear. The way I figure, One of three situations may occur, number one being the worse case..

- 1) Total garbage! Old junky TV chassis, crappy old scope, spools of wire junk, junk and more junk.
- 2) Some actuall equipment, possibly some Heath, maybe a Ranger? an Eico xmtr to go with that VFO? and old HRO? Who knows!!
- 3) COLLINS !!and more COLLINS. What if I walk into that Barn and I see a KW-1?? KWS-1? 30S-1?? 30K-1 S-lines, etc.. (keep dreaming!!)

Well, I'm hoping for at least number two!! <grin> Wish me luck. I'll post a report when I return from the "BA Barn"

--

73.....Glenn N2BJG glennfin@worldnet.att.net

Owner/operator of the N2BJG 10 meter beacon = 28.219 Mhz.
(24hrs a day, 7 days a week) Please QSL!!!

Date: Sat, 28 Jun 1997 07:53:00 -0500

From: Mike Sanders <k0az@i1.net>
To: boatanchors@theporch.com
Subject: Re: Phoenix Crystals product review
Message-ID: <3.0.16.19970628075251.2d3f918a@i1.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings All, The following is a post from John at Phoenix Crystals.
Guessing information in his post is of interest to the list I am forwarding
it. I also reminded John of the Drake line crystal market in a post
back to him. 73, Mike K0AZ

>Hi Mike, No I'm not on boatanchors. I might mention that I try and get
>the rocks as close to freq as possible although I advertised these as
>.01% freq. tolerance. Glad to see that your pleased with them and want to
>thank you for your order and support.
>I've disconnected from the QRP-L list and for some reason cannot seem to
>get resubscribed via my new inter-netr address. I tried posting an update
>but it was refused.
>I'm finishing up on the last 5 orders this week from the group buy. I'm
>working on avenues....one is FT-243's for 30 meters, and of course HC-6
>crystals for all the bands. Also working on HC-6's for the Collins
>"S-line" eqpt. as I've had numerous calls for them.
>If anyone knows a source for 1.6 or 1.7 and 3.4 or 3.5 mhz xtals in any
>type bakelite holder I would appreciate hearing. I did manage to buy
>about 1800 CR-1 type xtals at the Arlington hamfest....but most were in
>the high 7mhz up through the 8 mhz. range.
>73 John
>(new e-mail address is: phxtal@nava-link.net

Date: Sat, 28 Jun 1997 09:21:27 -0400 (EDT)
From: "P. J. Rovero" <provero@connix.com>
To: Larry Bearse <lbearse@mail1.nai.net>
Cc: Old Tube Radios <boatanchors@sco.theporch.com>
Subject: Re: Fw: Baptizing 6L6's
Message-ID: <Pine.BSI.3.95.970628091714.18815A-100000@comet.connix.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Larry Bearse (WA1LGQ) mentions some water-cooled
tube antics of which I will plead the 5th....

I do remember instructing another (non-ham) student in how to

calculate transformer turns ratios. He constructed it by wrapping *line cord* over an old core. Darkened a whole wing of the high school when he plugged it in in the physic lab.

A little knowledge is a dangerous thing....

P. J. "Josh" Rovero	email: provero@connix.com
Oceanographer	work: rovero@sonalysts.com
Meteorologist	radio: KK1D
Curmudgeon at Large	web: http://www.connix.com/~provero/

Date: Sat, 28 Jun 1997 09:30:51 -0400
From: Dan Martin <dmartin@visuallink.com>
To: boatanchors@sco.theporch.com
Subject: 390A Antenna Conn.
Message-ID: <33B5120B.78E8@visuallink.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, all:

What is the consensus of the 390A crowd on which of the two antenna connectors are the best to use on the 390A - the balanced or unbalanced? I know this has been mentioned in the past ... but I didn't need to know until now and never paid much attention to the discourse! Thanks for any comments.

73
Dan
WB4GRA
Winchester, VA

Date: Sat, 28 Jun 1997 09:30:32 +0000
From: williams@snowhill.com
To: dmartin@VISUALLINK.COM
Cc: Old Tube Radios <boatanchors@sco.theporch.com>
Subject: Re: 390A Antenna Conn.
Message-ID: <33B4D9B7.3D72@snowhill.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> What is the consensus of the 390A crowd on which of the two antenna
> connectors are the best to use on the 390A - the balanced or unbalanced?
> I know this has been mentioned in the past ... but I didn't need to know
> until now and never paid much attention to the discourse! Thanks for any
> comments.
>
> 73
> Dan
> WB4GRA
> Winchester, VA

Dan,

The unbalanced connector is documented as having lower sensitivity as to the balanced connector. I run random wires into the center connection and ground the negative side to earth ground...unless I unclip it and clip to other random wires for dipoles. This does work well for digging out those impossibly weak signals sometimes.

There were some inhouse mods on some radios to reverse the connectors internally. You may want to check that out. It's easy to get into the antenna relay box.

Barry

Date: Sat, 28 Jun 1997 11:04:07 -0400
From: john <johnmb@mindspring.com>
To: boatanchors@theporch.com
Subject: Want: Eico 720
Message-ID: <199706281507.LAA06702@brickbat9.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Looking for Eico 720 transmitter for use with the 730 modulator
I have. Was there a VFO made for this rig?
Thanks !
/John

+-----+
|Wanted: Rack cabinet for Globe King 500C |
| Howard Co. receiver/acc'ys/docs |
| AWA-OTB back issues... |
| WB50AU/4 AMI #24 |

| johnmb@mindspring..com |

+-----+

Date: Sat, 28 Jun 1997 15:29:21 +0100
From: "Larry Johnson" <k5yf@wt.net>
To: "boatanchors" <boatanchors@sco.theporch.com>
Subject: Schematic/Service info for Zenith Trans0 H500
Message-ID: <199706281422.JAA02194@pan.wt.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anybody know where I can find a schematic and service info for a Zenith Transoceanic H500? I've got one I promised to restore for a friend, and it's a sick little puppy.

Larry Johnson
Internet: k5yf@wt.net
Houston, TX

Date: Sat, 28 Jun 1997 15:33:57 +0100
From: "Larry Johnson" <k5yf@wt.net>
To: "boatanchors" <boatanchors@sco.theporch.com>
Subject: 1R5 for 1L6 for Zenith Trans0?
Message-ID: <199706281427.JAA02237@pan.wt.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

In this Zenith Transoceanic H500 which I've promised to restore for a friend, there was a 1R5 plugged in place of where the 1L6 would be. When I ordered a set of tubes from Antique Electronic Supply, they were kind enough to enclose a flyer describing the use of the 1R5 for 1L6 replacement, and how it was necessary to remove pin 5 on the 1R5.

I did, and now at least I have sound (hum and static) coming from the radio, plus was able to pick up one station on the 4-8 band so at least the detector is detecting. But, definitely going to need some work and new caps.

What I was wondering is, how good is the 1R5 for replacing the 1L6? Can I expect to get the same performance? Or will it be less than par?

Thanks.

Larry / K5YF

Larry Johnson
Internet: k5yf@wt.net
Houston, TX

Date: Sat, 28 Jun 1997 12:38:04 -0400 (EDT)
From: MODSTEPH@ACS.EKU.EDU
To: boatanchors@theporch.com
Subject: SP 110 pick-up folks, please
Message-ID: <01IKLU24G88Y002N60@ACS.EKU.EDU>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

...and I am sorry but I lost about three of your responses in pulling them off my VAX account and putting them into my hard-drive word processor. Please send another short note so I can get the SP 110, speaker and power supply given away.

Sorry about that!

73, A1 N5AIT
modsteph@acs.eku.edu
Allan Stephens
Richmond, Kentucky

Date: Sat, 28 Jun 97 10:45:21 PST
From: Hadley Allhands <had@halcyon.com>
To: boatanchors@theporch.com
Subject: TBS-50 VFO
Message-ID: <Chameleon.4.01.2.970628104713.had@.halcyon.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi to all,

I have a friend who is trying to locate the manual or schematics for the external VFO that goes with the Harvey Wells TBS-50.

Any help can be directed to Monte, W7GVJ at: monty.r.mueller@boeing.com

Thanks

Name: Hadley Allhands, K7MLR
E-mail: had@halcyon.com hadley@arva.com

Date: Sat, 28 Jun 1997 13:24:47 -0500
From: Ronnie Hull <w5sum@ms1.nwla.com>
To: boatanchors@theporch.com
Subject: 10 meters
Message-ID: <1.5.4.16.19970628122204.2f2f28f4@ms1.nwla.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Im hearing beacons from the northeast and north today
but no AMers.. where is everyone?

the only time I ever got kicked out of high school was
for skipping to work the ten-ten contest in 1970.. on AM
of course!! So to say the least, 10 meters and I go way back.

I'll continue to call CQ on 29.0 all day today, maybe I can
stir some of ya'll up. I'm beaming north and northwest at this
time. Running the Ranger. My Valiant doesn't want to tune on
10. I just changed the finals and it works fine on 75. Must
need some serious neutralizing.. I'll do that tonight.

Ronnie

=====
W5SUM

Ronnie Hull
3131 Meadow Parkway dr.
Shreveport, La 71108

10-10 # 2019

Forget the Johnson 500, I'm looking for a
Johnson Thunderbolt Amp...

=====

Date: Sat, 28 Jun 97 19:06:54 GMT
From: bgraham@tecnet1.jcte.jcs.mil
To: boatanchors@theporch.com, heath@listserv.tempe.gov
Subject: Fredrichshaven Grmany fest
Message-ID: <199706281908.TAA00812@sco.theporch.com>
Mime-Version: 1.0

Just came back from the F'haven germany fest. Again glad I went but disappointed as well. Seems to be more crowded each year and less actual ham gear more commercial/computer/misc junk/busines radios, etc.

They bill this as the "dayton of Europe" and it is the largest but I kind of suspect that they don't really mean the flea market as it just doesn't compare. This year it was so crowded you couldn't walk without hitting 3 people.

Very few ham BAs.. a few Zitems of Collins sline/KWM for astronomical prices, some heath test equip one lonely SP600 was about it. Did see a few "plastic" table radios also for large amounts and of course it does come close to dayton for the new equip vendors, etc.

Not worth a trip across the Atlantic, but if anyone is in germany or elsewhere i Europe the last weekend of June it would be worth a look.. oh I forgot, there was also a bc348 for abou \$350.

73

Bill
N5LMX/DA1WG

Date: 28 Jun 97 15:33:04 EDT

From: don merz <71333.144@CompuServe.COM>
To: <boatanchors@theporch.com>
Subject: Monkey
Message-ID: <970628193304_71333.144_DHB40-6@CompuServe.COM>

One keyer not to overlook is the "MON-KEY" hollow-state keyer made about 1959. It has a built in paddle and is iambic, I believe.

73, Don

Date: Sat, 28 Jun 1997 12:50:15 -0700
From: "Rudolf H. Salomon" <rhs@pacbell.net>
To: boatanchors@theporch.com
Subject: WTB BC-348 dynamotor
Message-ID: <33B56AF7.3B8F@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all!

I would like to obtain the following for my BC-348-R:

DM-28
Original manual for the R version of the BC-348
Connector and shroud for the back of the shockmount.

While I realize that these are probably as rare as the proverbial hens teeth, if, perchance, any of you out there in the great wide world should have any of these treasured items for possible sale or trade, contact me at rhs@pacbell.net

Regards, cheers and best of health,

Rudolf Salomon - KD6NRQ

Date: Sat, 28 Jun 1997 16:01:03 -0400 (EDT)
From: WJoeW@aol.com
To: boatanchors@theporch.com
Subject: Need Manual for Hickok 546
Message-ID: <970628160103_846473248@emout04.mail.aol.com>

I am trying to put a Hickok model 546 tube tester back into service and I need a manual (copy will do).

I will be glad to pay a reasonable sum for copying and shipping.

Thanks.

Joe
W5WBR

Date: Sat, 28 Jun 1997 15:38:18 -0500 (CDT)
From: Mike Maloney <ac5p@ionet.net>
To: 71333.144@CompuServe.COM
Cc: boatanchors@sco.theporch.com
Subject: Re: Monkey
Message-ID: <199706282038.PAA12943@mail.ionet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 03:33 PM 6/28/97 EDT, you wrote:

>One keyer not to overlook is the "MON-KEY" hollow-state keyer made about
>1959. It has a built in paddle and is iambic, I believe.

This sounds vaguely familiar...was it a QST construction article rather than a commercially produced item? Perhaps someone with that period QST index can look it up and give reference.

73/Mike

Date: Sat, 28 Jun 97 20:42:02 GMT
From: bgraham@tecnet1.jcte.jcs.mil
To: heath@listserv.tempe.gov, boatanchors@theporch.com
Subject: WTB Copy of Heath HM11 manual
Message-ID: <199706282048.UAA03471@sco.theporch.com>
Mime-Version: 1.0

Picked up a wayward Heath HM11 swr meter today. Looks complete and sort of works but isn't anywhere near as sensitive as it ought to be when adjusting in "forward" pos.

Anyone got a manual for this item or for the AM2 which Chuck says is the same item in the older color scheme? Need to have the schematic and instructions and preferably the whole manual to

check it out. (Wouldn't be surprised if it was the pot tho)

Usual deal, I'll pay for copy and postage.

73

Bill

N5LMX/DA1WG

<http://www.geocities.com/Tokyo/Towers/7827>

Date: Sat, 28 Jun 1997 21:23:14 +0000
From: Sandy W5TVW <ebjr@worldnet.att.net>
To: ac5p@IONET.NET, boatanchors@theporch.com
Subject: Re: MON-KEY
Message-ID: <19970628212312.AAA28407@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:38 PM 6/28/97 +0000, you wrote:

>At 03:33 PM 6/28/97 EDT, you wrote:

>>One keyer not to overlook is the "MON-KEY" hollow-state keyer made about
>>1959. It has a built in paddle and is iambic, I believe.

>

>This sounds vaguely familiar...was it a QST construction article rather
>than a commercially produced item? Perhaps someone with that period QST
>index can look it up and give reference.

>

>73/Mike

>

>

` The MON-KEY was a complete automatic keyer/monitor. The big problem I
remember with them is that they were not "self completing". They had a
tendency to work you to death. Kinda like "keeping in step" in close order
drill!

Your timing had to be very good to get it to send perfect CW. To me this
defeated

the whole idea. The first REALLY nice automatic keyer I remember was the
"Ultimatic Keyer" which appeared in QST. I think the Hallicrafters "T0-keyer"
was copied from this basic design.

 The MON-KEY was not pleasurable to use as was the "T0-keyer". Just
a word
of warning from my cloudy memory of yesteryear!

73

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"
417 Ridgewood Drive,
Metairie, LA., 70001
ebjr@worldnet.att.net
Looking for: 860 tubes, WL-460 tubes
Butternut HF2V antenna, G-R test gear.....*

Date: Sat, 28 Jun 1997 21:47:36 +0000
From: "John H. Dilks III" <oldradio@worldnet.att.net>
To: ac5p@IONET.NET
Cc: boatanchors@theporch.com
Subject: Re: Monkey
Message-ID: <19970628214733.AAA17952@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Mike and all,

I'm fortunate to have two of these. (figuring that two will make one good one.) But unfortunately, they are inaccessible at this time, due to two grandchildren living with me.

These units can still be found at hamfests, as some sellers don't realize what they are. Every collector should have one in their key collection.

I've noticed ads in CQ as well as QST. And somewhere I remember reading a review on them.

73' John Dilks, K2TQN

At 08:38 PM 6/28/97 +0000, you wrote:

>>One keyer not to overlook is the "MON-KEY" hollow-state keyer made about
>>1959. It has a built in paddle and is iambic, I believe.

>

>This sounds vaguely familiar...was it a QST construction article rather
>than a commercially produced item? Perhaps someone with that period QST
>index can look it up and give reference.

>

>73/Mike

>

.=====.

| >> New 5-24-97 on <http://www.eht.com/oldradio> << |

| |

| 1). Al Klase, N3FRQ's complete B-17 Radio Command Set, set-up. |

| 2). A "Chopper" used in 1920's Ham Transmitters for I.C.W. |


```
| 3). The B-i-g Radio Auction Results with 6 or 7 photos. |
|
|       If you have an old (ver.1 type) Browser try... |
|       http://www.cyberhost5.com/eh/oldradio |
|       There's always something new about old radio on our Web Page. |
|       We update it every week! |
|-----|
```

Date: Sat, 28 Jun 1997 17:27:44 -0500
From: Ronnie Hull <w5sum@ms1.nwla.com>
To: boatanchors@theporch.com
Cc: baswaplist@foothill.net
Subject: Dow Key Plunger
Message-ID: <1.5.4.16.19970628162504.0d47bd44@ms1.nwla.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

howdy ya'll

I got enough peices and parts recently to start to put together another Dow Key Relay. In fact, its working. But... I need a couple of the little plungers (or whatever you want to call them) that operates the external contacts. Anyone out there have one of these little critters they could part with?

still no activity on 10 from my qth today. Even the beacons are gone now. 75 and 40? forget it, storms in the area, the noise is 10 over 9 on 75 and S7 or 8 on 40.

maybe later this evening!!

Ronnie

=====

W5SUM
Ronnie Hull
3131 Meadow Parkway dr.
Shreveport, La 71108

10-10 # 2019

Forget the Johnson 500, I'm looking for a Johnson Thunderbolt Amp...

=====

Date: Sat, 28 Jun 1997 17:46:24 -0500 (CDT)
From: bloper@ix.netcom.com (BEN ROSWELL LOPER)
To: boatanchors@theporch.com
Subject: BC-325
Message-ID: <199706282246.RAA08137@dfw-ix9.ix.netcom.com>

Does any one have any information on the BC-325 a very large transmitter. I have the chance to buy one and I wondered if anyone could help out on price or even if it's worth buying Tnx Ben

Date: Sat, 28 Jun 1997 17:58:22 -0500 (CDT)
From: steven@ix.netcom.com (Steve M Fried)
To: boatanchors@sco.theporch.com
Subject: coaxial antenna relays - source
Message-ID: <199706282258.RAA25066@dfw-ix7.ix.netcom.com>

Hi BA Fans:

Please, where is a good source of Advance antenna relays or Dow Key antenna relays with the standard S0239 (amphenal 831SP) connectors and 110vac coil? (The type we all used for our boat anchors when they just were called transmitters and receivers)

Thanks

Steve K2PTS
Schaumburg, IL

Date: Sat, 28 Jun 1997 18:04:46 -0500
From: Mike Sanders <k0az@i1.net>
To: boatanchors@theporch.com
Subject: Antique Malling/Mon-Key
Message-ID: <3.0.16.19970628175531.2d877d00@i1.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings Group,
The wife got me out this fine Saturday morning early to do a bit

of browsing at her favorite antique malls. I found 4 small books in very nice shape and at reasonable prices. Included were the 1942 Hints & Kinks, The 1948 A course in radio fundamentals by George Grammar, TVI can be cured by W2UOL of Eldico inc from about 1950 and a WRL catalog from 1952. In the WRL catalog on page 15 is an ad for the Electronic Mon-Key at \$30.95. Of course Leo has lots of other neat stuff in this catalog. The Eldico TVI manual came from Walter Ashe Radio Co. of St. Louis according to the ink stamp on the front cover. I pretty well grew up at 1125 Pine street in the late 50s and very early 60s. We would take two street cars from our neighborhood to downtown St. Louis to Walter Ashe Radio. I remember times when I had a buck and a quarter left after carfare and would come home with a brown bag full of parts for that kinda money. But serious shopping required more funds than that. A Texas crystal in the Novice band cost a buck fifty and so did a new surplus J-38 key. I remember a KWS-1 in the window of the store that at that time was about as tall as I was. Now I have one in the garage and its still a beautiful awesome thing even though I am taller (and broader) than it is.

73, Mike K0AZ

K0AZ formerly KS0F, N0ARH, K4KJG, K0TPW.

Mike Sanders 3409 Henry Dr. Imperial, MO 63052 314-282-0787

6 Meters VUCC #605 497 grids confirmed 47 countries 49 states 4 continents

E skip only

2 Meters VUCC #447 188 grids confirmed 3 countries 44 states 1 continents

Terrestrial only

Satellite VUCC #39 (mode A only)

Above stats since Feb 95

6 Meter power 170 watts. Max antenna height 57 feet. Max boom length 20 feet.

2 Meter power 170 watts. Max antenna height 62 feet. Max boom length 15 feet.

Date: Sat, 28 Jun 1997 16:20:34 -0700 (PDT)

From: bward@scvnet.com (Bill Ward)

To: boatanchors@sco.theporch.com

Subject: NCX-5 help

Message-ID: <199706282320.QAA20190@felix.scvnet.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Greetings. Picked up a NCX-5 Mk II this morning at TRW and was wondering if anyone can provide me with any info on the power plug pin out. The rig appears to be complete and don't see any mods. Anyone with one of these that could e-mail me and let me know the pin out and experiences with this rig? Is it AM capable on xmit or just receive? Output power? Etc...

Thanks. Bill..

Bill Ward, KC6F
bward@scvnet.com
Valencia, CA

Date: Sat, 28 Jun 1997 08:03:18 -0600
From: "Herbert M. Rosenthal" <herbrose@lobo.net>
To: Old Tube Radios <boatanchors@sco.theporch.com>
Subject: My liquid cooled 6L6, or boy, did I..
Message-ID: <33B5199F.5FEC@lobo.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, thanks to all for the responses to my sign-on comments about an oil-cooled 6L6 as my first rig in 1946..many OTs responded to similar joys of youth. I enjoyed reading them all..including the one with the water <inside> the tube.

Perhaps I should mention that my third or fourth rig (1950-1) was a pair of VT-127As in PP from electronics row in Manhattan..Canal or Vesey Street..with sockets, they were about \$5-6 each. I believe they were WWII radar pulse modulators, but they operated quite like a 100TH.or TL...2 plate pins and 2 grid pins out the glass. Very brittle filaments.

I built the rig on a small drafting board..all open construction, neat, right-angle bends, etc. Power supply consisted of a few BC transformers with the plate windings in series to get to about 1200 volts dc.Boy, what a TPTG..fortunately not much TV around Syracuse at that time. Key down would light the bedroom lights of a kindly, dentist neighbor. I found this out early morning when I heard the pebbles on my window; there he was, bathrobe and all, asking me to QRT so he could sleep.

One of the older hams in the club introduced me to proper shielding between input/output and neutralization. I bought two different size aluminum measuring cups in Woolworth's per his suggestion, and put one inside the other for the neutralizing capacitor, and no more TPTG.

Thanks, again, from a newcomer to BA. I must tell about the pickle jar one day.

Herb Rosenthal W5AN (W2PIV in 1946)

End of BOATANCHORS Digest 1529
